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Substitute for form 1449A/PTO

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 1 of 7

### Complete if Known

Application Number	10/803,080
Filing Date	March 18, 2004
First Named Inventor	Richard L. Cunningham
Art Unit	2673
Examiner Name	Unassigned
Attorney Docket Number	IMMR-114/00US

### U.S. PATENT DOCUMENTS

Examiner	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number Kind Code <sup>2</sup> (if known)			
Y/SI		6,422,941	7/23/2002	Thomer et al.	
		6,160,489	12/12/2000	Perry et al.	
		6,111,577	8/29/2000	Zilles et al.	
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		4,708,656	11/24/1987	De Vries et al.	

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Sheet **2** of **7****Complete if Known**

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Attorney Docket Number	IMMR-114/00US

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YSI		4,599,070	7/8/1986	Hladky et al.	
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Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document			Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Country Code <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)			
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		JP	H4-8381		1/13/1992	Epoch Co. and Key- Planning Co.	
		JP	H7-24147		1/27/1995	Sega Corporation	
		JP	H5-192449		8/3/1993	Taito Corporation	

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First Named Inventor	Richard L. Cunningham
Art Unit	2673
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**OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS**

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NSI		BAIGRIE, "Electric Control Loading - A Low Cost, High Performance Alternative," <i>Proceedings of Interservice/Industry Training Systems Conference</i> , pp. 247-254, November 6-8, 1990.
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Examiner  
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Yong Sim/

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Sheet **4** of **7****Complete if Known**

Application Number	10/803,080
Filing Date	March 18, 2004
First Named Inventor	Richard L. Cunningham
Art Unit	2673
Examiner Name	Unassigned
Attorney Docket Number	IMMR-114/00US

**OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS**

Examiner Initials *	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
YSI		PATRICK et al., "Design and Testing of A Non-reactive, Fingertip, Tactile Display for Interaction with Remote Environments," <i>Cooperative Intelligent Robotics in Space</i> , Rui J. deFigueiredo et al., Editor, Proc. SPIE Vol. 1387, pp. 215-222, 1990.
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Sheet **5** of **7****Complete if Known**

Application Number	10/803,080
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First Named Inventor	Richard L. Cunningham
Art Unit	2673
Examiner Name	Unassigned
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/YS/		BEJCZY et al., "A Laboratory Breadboard System For Dual-Arm Teleoperation," <i>SOAR '89 Workshop</i> , JSC, Houston, TX, July 25-27, 1989.
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Examiner Signature	/Yong Sim/	Date Considered	01/21/2008
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Sheet **6** of **7****Complete if Known**

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YSI		OUHYOUNG et al., "The Development of A Low-Cost Force Feedback Joystick and Its Use in the Virtual Reality Environment," <i>Proceedings of the Third Pacific Conference on Computer Graphics and Applications, Pacific Graphics '95</i> , Seoul, Korea, 21-24 August 1995.
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		"Component Maintenance Manual With Illustrated Parts List, Coaxial Control Shaker Part No. C-25502," Safe Flight Instrument Corporation, Revised 28 January 2002 (3 pages).
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		"SEXTANT™ Percutaneous Rod Insertion – Overview", Article 1573, Spineuniverse.com, website: <a href="http://www.spineuniverse.com/displayarticle.php/article1573.html">http://www.spineuniverse.com/displayarticle.php/article1573.html</a> , dated January 21, 2004
		"SEXTANT™ Percutaneous Rod Insertion – Overview", Article 1574, Spineuniverse.com, website: <a href="http://www.spineuniverse.com/displayarticle.php/article1574.html">http://www.spineuniverse.com/displayarticle.php/article1574.html</a> , dated January 21, 2004
		"SEXTANT™ Percutaneous Rod Insertion – Pedicle Screws", Article 1575, Spineuniverse.com, website: <a href="http://www.spineuniverse.com/displayarticle.php/article1575.html">http://www.spineuniverse.com/displayarticle.php/article1575.html</a> , dated January 21, 2004
✓		"CD HORIZON® SEXTANT™ Rod Insertion Set", Medtronic Sofamor Danek, website: <a href="http://www.medtronicsofamoradanek.com/patient-minimal-sextant.html">http://www.medtronicsofamoradanek.com/patient-minimal-sextant.html</a> , dated January 21, 2004

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**OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS**

Examiner Initials *	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
/YS/		*SEXTANT™ Percutaneous Rod Insertion – Features", Article 1576, Spineuniverse.com, website: <a href="http://www.spineuniverse.com/displayarticle.php/article1576.html">http://www.spineuniverse.com/displayarticle.php/article1576.html</a> , dated January 21, 2004
↓		*SEXTANT™ Percutaneous Rod Insertion – Surgical Techniques", Article 1577, Spineuniverse.com, website: <a href="http://www.spineuniverse.com/displayarticle.php/article1577.html">http://www.spineuniverse.com/displayarticle.php/article1577.html</a> , dated January 21, 2004
↓		*SEXTANT™ Percutaneous Rod Insertion – Clinical Experience", Article 1578, Spineuniverse.com, website: <a href="http://www.spineuniverse.com/displayarticle.php/article1578.html">http://www.spineuniverse.com/displayarticle.php/article1578.html</a> , dated January 21, 2004
↓		EnduraTEC, New Full Spine Simulator Provides Unique Benefits for Spinal Device Engineering, "The Challenge: To Provide a Versatile Tool for Realistic Simulation of Spinal Kinematics"

Examiner Signature	/Yong Sim/	Date Considered	01/21/2008
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

Form PTO 1449 (Rev. 2-32)	U.S. Department of Commerce Patent and Trademark Office	Atty. Docket No. IMMR-IMD0194 (034701-111)	Serial No. 10/803,080
Information Disclosure Statement by Applicant		Applicant: Richard L. Cunningham et al.	
(Use several sheets if necessary)		Filed: 03/18/2004	Group: 2635



## U.S. Patent Documents

Init.	Document No.	Date	Name	Class	Subclass	Filing Date
/YS/	3,226,846	01/04/1966	Wood			
	4,439,162	03/27/1984	Blaine			
	4,750,487	06/14/1988	Zanetti			
	4,789,340	12/06/1988	Zikria			
	4,907,973	03/13/1990	Hon			
	5,113,872	05/19/1992	Jahrmarkt et al.			
	5,149,270	09/22/1992	McKeown			
	5,217,003	06/08/1993	Wilk			
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	6,038,488	03/14/2000	Barnes et al.			
✓	6,057,828	5/2/2000	Rosenberg et al.			

Examiner

/Yong Sim/

Date Considered

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<b>U.S. Patent Documents</b>							
Init.		Document No.	Date	Name	Class	Subclass	Filing Date
/YS/		6,106,301	08/22/2000	Merril			
↓		6,113,395	09/05/2000	Hon			
		6,126,450	10/03/2000	Mukai et al.			
		6,193,653	02/27/2001	Evans et al.			
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↓		7,091,950	8/15/2006	Rosenberg et al.			
<b>U.S. Patent Documents</b>							
Init.		Document No.	Date	Name	Class	Subclass	Filing Date
/YS/		2001/0016804	08/23/2001	Cunningham et al.			
↓		2003/0006892	01/09/2003	Church			
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		2003/0076298	04/24/2003	Rosenberg			
		2003/0130674	07/10/2003	Kasahara et al.			
		2004/0009459	01/15/2004	Anderson et al.			
↓		2004/0106916	06/03/2004	Quaid et al.			
<b>Foreign Documents</b>							
<b>Translation</b>							
Init.		Document No.	Date	Name	Class	Subclass	Yes No
/YS/		DE 102 58 952	8/19/2004	DE			(abstract)
↓		SU1124372	11/15/1984	SU			X
		WO 91/06935	5/16/1991	WO			(abstract)
		WO 01/178039	10/18/2001	WO			X
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		WO 95/20787	8/3/1995	WO			X
		WO 96/28800	9/19/1996	WO			X
		WO 96/39944	12/19/1996	WO			X
↓							
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